Original/Duplicate/Triplicate EE/ELE/Y/DR No.....

SSR No: 66/2023-24 DATED 17-10-2023

CONTRACT CERTIFICATE

No. 2nd & Final bill (For Other Works) Date..... Dt 2022

Division: **Electrical (Yelahanka)** Sub Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-007-22-000008**

Schedule Docket No. Head of Account : P-CODE:P0486 D.R.No. :

Name of Work:- Annual Maintenance and servicing of Crematorium and Zonal building CC camara and related accessories in ward no 7&3

Bill Period:- 07-10-2022 to06-05-2023 (7 Months)

Name of Contractor and Full Address: M/s Trisha Electricals.

Reference to Agreement No:- BBMP/EE/ELE/YZ/AGR/000021/2022-23 Date 07/05/2022

Work order No:- EE(Ele)/YZ/W.O/000021/2022-23 Date 07/05/2022

Certified that the measurements were taken by me on 09/5/23 and recorded of Pages 256994 to 257996 of measurement Book No. 2574/19-20 and that the work is satisfactorily executed.

For Trisha Electricals

Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 9.5.23 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer, Elec
Sub Division Yelahanka

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	UPDT	698540:56
2) Deduct amount to be held in reserve being .....percent Rs.....	P.Bill	385204:45
3) " Balance	2nd Final Bill	313336:00
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted	2%T.I.	3133:00
towards cash advance recovery of	L.W.C.I.	3133:00
b) Payments cost store or other material supplied. Now made recovery of amount creditable to this/other work	CBT-0.1%	313:00
Amount paid on this bill Cheque / Cash.	CGST 1%	3015:00
5) Balance being unpaid value of work done held in reserve.	SGST 1%	3015:00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	Deductions	12609:00
7) Net amount due to or from Contractor	unadjustments items	
8) Advance to Contractor for materials brought to site (as detailed) within.	bycheque	300727:00
9) Value of Government materials supplied.	Total amount adjusted -	

For Trisha Electricals
Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) (For use in the Office)

Witness
1.
2.

For Trisha Electricals

Proprietor

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

Executive Engineer

Sl. No	Description	Unit
	Name Of Work:-Annual Maintenance and servicing of Crematorium and Zonal building CC camara and related accessories in ward no 7&3	
1	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Sealed maintenance free batteries.150 AH capacity	Each
2	Supplying and drawing UTP-CAT 6E LAN cable	Mt
3	Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.19/20mm dia 2mm thick	Mt.
4	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fighting 2x 4' - 20 /22 w	Each
5	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Acherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source LED Streetlight 90 Watts	Each
6	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each
7	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.	
8	supply and fixing of 2 MP HDTVI/HDCVI Dome/Bullet Camera IP66 WHEATHER PROOF Make:Hikvision/CP Plus	Each
9	supply and fixing of 2 MP IP Network Dome/Bullet Camera IP66 WHEATHER PROOF Make:Hikvision/CP Plus	Each
10	supply and fixing of 16 channel DVR with VGA/HDMI out 2 USB port, RJ 45 Connectivity, Audio in/out up to 8 MP Support Make:Hikvision/CP Plus	Each
11	supply and fixing of 16 channel NVR with VGA/HDMI out 2 USB port, RJ 45 Connectivity, Audio in/out UP to 6 MP Support Make:Hikvision/CP Plus	Each
12	supply and fixing of 8 Amps 12 V Power Supply(SMPS) for Camera Make:ERD/CP Plus	Each
13	supply and fixing of 16 Amps 12 V Power Supply(SMPS) for Camera Make:ERD/CP Plus	Each
14	supply and fixing of 4 TB Hard Disk Survialance Make:Seagate/Western Digital	Each
15	supply and fixing of 16 port 10/100/1000 MBPS POE Switch Make:Tp link/Dlink/Secure eye	Each
16	supply and fixing of 220 Volts 50 HZ 32"Slim design , 4K Ultra HD LED FHD Television Make:Panasonic/TCL/LG/Samsung	Each
17	Annual maintenance / Serviceing of IP Network 2 MP/4MP/6MP Bullet or Dome Camera with replacement of BNC/DC Pins Make : Hikvision/CP Plus	Each
18	Annual maintenance / Serviceing of 4 /8 /16 Channel DVR	Each
19	Annual maintenance / Serviceing of NVR 4 Channel/8 Channel/16 Channel	Each
20	Annual maintenance / Serviceing of Hard Disk Surveillance 1 TB/2 TB/4 TB - Seagate/WD	Each
21	Annual maintenance / Serviceing / replacement of Power Supply for Power Supply for Camera 8 Amps/12V	Each
22	Annual maintenance / Serviceing of 4 /8 /16/24 port POE Switch 10/100/1000 MBPS – Make :Tplink/Dlink/Secure eye	Each
	Total Rs	
	GST Charges (12% on SR Electrical items) Item No 01 to 07	98290
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

20/8/13

Assistant Executive E...
BBMP, Bangalore

Previous Measurement		Present Measurement				Total Upto Date		Remarks
Qty	Cost	Qty	Period No of Months	Rate	Amount	Qty	Cost	
3	42000	0	-	14000.00	0.00	3	42000.00	
200	5800	150.00	-	29.00	4350.00	350	10150.00	
100	5000	50	-	50.00	2500.00	150	7500.00	
5	3100	5	-	620.00	3100.00	10	6200.00	
2	14300	12	-	7150.00	85800.00	14	100100.00	
2	340	12	-	170.00	2040.00	14	2380.00	
5	500	5	-	100.00	500.00	10	1000.00	
4	12400	2	-	3100.00	6200.00	6	18600.00	
4	48760	2	-	12190.00	24380.00	6	73140.00	
2	78220	0	-	39110.00	0.00	2	78220.00	
1	21015	0	-	21015.00	0.00	1	21015.00	
4	5828	3	-	1457.00	4371.00	7	10199.00	
2	5520	2	-	2760.00	5520.00	4	11040.00	
1	18175	0	-	18175.00	0.00	1	18175.00	
1	21850	0	-	21850.00	0.00	1	21850.00	
0	0	1	-	31360.00	31360.00	1	31360.00	
48* 5 Months	36998.4	48	7	154.16	51797.76	48* 12 Months	88796.16	
3*5 Months	6000	3	7	400.00	8400.00	3* 12 Months	14400.00	
3*5 Months	6624.9	3	7	441.66	9274.86	3* 12 Months	15899.76	
3*5 Months	4500	3	7	300.00	6300.00	3* 12 Months	10800.00	
48*5 Months	36998.4	48	7	154.16	51797.76	48*12 Months	88796.16	
3* 5 Months	2749.95	3	7	183.33	3849.93	3*12 Months	6599.88	
	376679.65				**301541.31**		**678220.96**	
	8524.80				11794.80		11794.80	20319.60
	385204.45				**313336.11**		**690015.76**	

698,540.56